

INTEROFFICE MEMORANDUM

Date: February 03, 2006
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: January 2006 FRM PM_{2.5} Monitoring Update Report

This is a report of January 2006 Federal Reference Method PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

January 2006

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. & Date</u>	<u>Conc. & Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	25.5 (01/10)	4.1 (01/06)	93.5 %	10.8
Wyandotte	25.5 (01/10)	3.8 (01/06)	83.9 %	11.1
Barret	18.7 (01/26)	5.1 (01/28)	100.0 %	10.1
Watson	11.9 (01/23)	5.5 (01/17)	100.0 %	9.2
Overall				10.6

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

<u>Site Name</u>	<u>Annual Mean (ug/m³)</u>							Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005)	Annual Design Values (2004-2006) ³
	2006 ³	2005	2004	2003	2002	2001	2000					
Southwick/ <i>Firearms Trn</i> ¹	10.8	16.7	14.6	15.4	17.2	17.1/ 18.7 ¹	17.3	N/A	N/A	15.7²	15.6²	14.0
Wyandotte	11.1	16.6	14.1	15.2	17.5	17.7	16.7	17.3²	16.8²	15.6	15.3	13.9
Barret	10.1	16.8	14.0	15.2	16.3	16.9	16.7	16.6	16.1	15.1	15.3	13.6
Watson	9.2	16.5	12.7	15.1	15.3	16.3	16.8	16.1	15.5	14.3	14.7	12.8

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Year-to-date data for 2006.